+135-3858-6433 (GuangDong)
+188-1699-6168 (ShangHai)
+852-6957-5415 (HongKong)

TECHNYL® SHAPE
For extrusion & blow molding

DOMO
caring is our formula

TECHNICAL DATA SHEET

TECHNYL SHAPE A 548B V15 BK 23N

(Previously TECHNYL A 548B V15 BLACK 23N)

TECHNYL SHAPE A 548B V15 BK 23N is a polyamide 66 reinforced with 15% of glass fibre, heat stabilized, impact modified, for blow moulding. This grade offers an excellent long term Heat resistance and is suitable to work in environments characterized by a very high temperature. It has been also specially designed to be perfectly suitable for blow moulding processing.

General

Feature	High viscosity High melt strength	High impact resistant
Polymer type	PA66 (Polyamide 66)	
Processing technology	Blow molding	
Certification	RoHS	EC 1907/2006 (REACH)
Applications	Automotive Applications	
Colors available	Black	
Forms	Pellets	

Product identification

ISO 1043 abbreviation	PA66-GF15

	Condition	Standard	Unit	Value
Physical properties				
Density		ISO 1183	g/cm³	1.2
Mechanical properties				**dam / cond.***
Tensile modulus	1 mm/min	ISO 527-1/-2	MPa	5200 / 3500
Stress at break		ISO 527-1/-2	MPa	100 / 60
Strain at break		ISO 527-1/-2	%	5 / 9
Flexural modulus, ISO 178	2 mm/min	ISO 178	MPa	4100 / -
Flexural strength, ISO 178	2 mm/min	ISO 178	MPa	130 / -
Charpy impact strength, +23°C	+23°C	ISO 179/1eU	kJ/m²	68 / 80
Charpy notched impact strength, +23°C	+23°C	ISO 179/1eA	kJ/m²	11 / 20
Izod impact strength, +23°C	+23°C	ISO 180/1U	kJ/m²	58 / -
Izod notched impact strength, +23°C	+23°C	ISO 180/1A	kJ/m²	13 / -

	Condition	Standard	Unit	Value
Thermal properties				
Melting temperature, 10°C/min		ISO 11357-1	°C	242
Temp. of deflection under load, 1.80 MPa	1.80 MPa	ISO 75	°C	215

**: conditioned according to ISO 1110*

Processing conditions

Drying temperature/time	8H at 80°C with dry air, dew point -35°C
Suggested max moisture	0.08 %
Feed zone temperature for blow-molding	250 - 270 °C
Screw temperature for blow-molding	255 - 275 °C
Adapter temperature for blow-molding	260 - 280 °C
Head temperature for blow-molding	270 - 290 °C
Die temperature for blow-molding	270 - 290 °C
Mold temperature for blow molding	60 - 80 °C

Disclaimer